



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: TANAKA et al

Examiner: T. Tung

Serial No.: 08/838,910

Art Unit: 1102

Filed: April 11, 1997

Title: OXYGEN CONCENTRATION DETECTOR

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March 23, 1998

**PRELIMINARY AMENDMENT**

Honorable Commissioner of  
Patents & Trademarks  
Washington, D. C. 20231

Sir:

Kindly preliminarily amend the above-referenced CPA application as follows:

**IN THE CLAIMS**

Kindly amend the claims as follows:

Claim 15, line 2, after "material", insert -- having a high emissivity--.

Kindly add the following new claims:

Sub 2 --21. An oxygen concentration detector comprising:  
a sensor element including a solid electrolyte and external and internal  
electrodes provided on external and internal surfaces thereof, respectively;  
a high-emissivity layer provided on a surface of said internal electrode; and

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